

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for allocating network resources by just-in-time modulation of quality of service (QoS), comprising: ~~steps of~~

~~recording QoS demands and resource usage,~~

~~predicting required QoS demands,~~

~~deriving and propagating QoS demands, and~~

~~coordinating concurrent QoS demands of a manifold of users,~~

~~wherein recording QoS demand and predicting required QoS demand are based on service usage and user behavior acquired by recording events at a client terminal of a user as user behavior and aggregated in a QoS user profile.~~

receiving a user profile from a client terminal, said user profile comprising aggregated user behavior information recorded at said client terminal;

receiving QoS demands from said client terminal, said QoS demands determined based on said user profile;

allocating network resources to said client terminal based on said QoS demands.

2. (currently amended): The method according to claim 1, wherein the ~~activities~~
~~are~~method is performed ~~with respect~~according to defined QoS user preferences ~~specifying the~~
~~recording, predicting, deriving and propagating, and coordinating in relation to system conditions.~~

3. (currently amended): The method according to ~~claim 1~~ claim 2, wherein said QoS
user preferences specify a QoS demanding strategy.

4. (currently amended): The method according to claim 1, wherein ~~the said~~ OoS
demands are predicted ~~prediction is realized by a neuronal~~ neural network.

5. (currently amended): The method according to claim 1, ~~wherein the further~~
comprising coordinating concurrent QoS demands of a manifold of users ~~comprises the steps of~~
~~evaluating QoS demands and balancing QoS grants based on the QoS user profiles.~~

6. (currently amended): A telecommunication network₁ comprising:

a client terminal and a scheduler server, said client terminal comprising communication
means for requiring and using network resources and quality of service (QoS) demands, said

scheduler server comprising scheduling or dispatching means allocating network resources based on QoS demands;₂

wherein the client terminal further comprises acquiring means for recording events of a user as user-behavior and aggregation means for aggregating user-behavior in a QoS user profile;₂
and

wherein the communication means comprises demanding means for demanding predicted quality of service (QoS) demands based on service-usage and said user-behavior;₂ and

wherein said scheduling or dispatching means comprises coordinating means for coordinating concurrent QoS demands of a manifold of users and evaluation and balancing means for evaluating QoS demands and balancing QoS grants based on QoS user ~~profile~~ profiles comprising aggregated service-usage and user-behavior received from a client terminal.

7. (currently amended): A client terminal comprising:

communication means for requiring and using network resources and quality of service (QoS) demands;₂

wherein the client terminal further comprises acquiring means for recording events of a user as user-behavior and aggregation means for aggregating user-behavior in a QoS user profile;₂
and

wherein the communication means comprises demanding means for demanding predicted QoS demands based on service-usage and said user-behavior.

8. (currently amended): The client terminal according to claim 7, ~~wherein the client terminal comprises~~ further comprising further communication means for providing the QoS user profiles to a scheduler server.

9. (currently amended): A scheduler server comprising:

scheduling or dispatching means for allocating network resources based on QoS demands, wherein said scheduling or dispatching means comprises coordinating means for coordinating concurrent QoS demands of a manifold of users and evaluation and balancing means for evaluating QoS demands and balancing QoS grants based on QoS user ~~profile~~ profiles comprising aggregated service-usage and user-behavior received from a client terminal.

10. (currently amended): A computer software product for allocating network resources by just-in-time modulation of quality of service (QoS), ~~such as the~~ computer software product comprising computer-executable instructions stored on a physical computer-readable medium, said instructions ~~programming means~~ for performing the method according to claim 1.

11. (new): The method according to claim 4, wherein said prediction is based on said aggregated service usage and user behavior information recorded at said client terminal.

12. (new): The method according to claim 1, wherein coordinating concurrent QoS demands of a manifold of users comprises evaluating QoS demands of a manifold of users, and balancing QoS grants based on QoS user profiles of said manifold of users.